Performance Data Sheet

AJA5517EXD

General Information

Model	AJA5517EXD	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h							
	Watts		69.9					
	Amps	15.2	14.2					
	Lb/h							
-10	Btu/h							
	Watts	32.0	251	365				
	Amps	13.2	12.3	11.6				
	Lb/h							
-5	Btu/h							
	Watts	195	423	551	593			
	Amps	11.6	10.9	10.2	9.69			
	Lb/h							
0	Btu/h							
	Watts	350	585	726	787	777		
	Amps	10.3	9.72	9.23	8.82	8.47		
	Lb/h							
5	Btu/h		553	1390	1860	1980		
	Watts	497	737	890	967	980		
	Amps	9.35	8.88	8.52	8.24	8.02		
	Lb/h							
10	Btu/h	3170	4010	4540	4760	4670	4270	3560
	Watts	635	879	1040	1130	1170	1150	1110
	Amps	8.64	8.30	8.07	7.91	7.81	7.74	7.68
	Lb/h	21.2	19.1	16.2	12.6	8.11	2.74	
15	Btu/h	6650	7150	7380	7350	7050	6500	5680
	Watts	765	1010	1180	1280	1340	1350	1330
	Amps	8.15	7.94	7.82	7.78	7.79	7.83	7.88
	Lb/h	74.4	70.6	66.2	61.1	55.4	48.8	41.4
20	Btu/h	9860	10000	9950	9670	9170	8460	7540
	Watts	885	1130	1310	1420	1490	1530	1540
	Amps	7.86	7.76	7.75	7.82	7.94	8.08	8.23
	Lb/h	119	114	108	102	95.1	87.5	79.2

25	Btu/h	12900	12700	12300	11800	11100	10200	9200
	Watts	996	1240	1420	1540	1630	1690	1730
	Amps	7.71	7.72	7.82	7.98	8.20	8.44	8.68
	Lb/h	158	151	144	137	129	121	111
30	Btu/h	15700	15200	14500	13800	12900	11800	10700
	Watts	1100	1340	1520	1650	1750	1830	1890
	Amps	7.68	7.78	7.97	8.24	8.54	8.87	9.19
	Lb/h	191	183	175	167	158	149	140
35	Btu/h	18500	17600	16600	15600	14500	13400	12100
	Watts	1190	1420	1600	1740	1850	1950	2040
	Amps	7.71	7.90	8.19	8.53	8.92	9.33	9.73
	Lb/h	221	212	203	194	185	175	165
40	Btu/h	21200	20000	18700	17500	16200	14900	13600
	Watts	1270	1500	1680	1820	1940	2050	2160
	Amps	7.77	8.05	8.41	8.84	9.31	9.79	10.3
	Lb/h	248	239	229	220	210	200	190
45	Btu/h	23900	22300	20800	19300	17900	16400	15000
	Watts	1340	1560	1730	1880	2010	2130	2260
	Amps	7.82	8.18	8.62	9.12	9.65	10.2	10.7
	Lb/h	275	265	255	245	235	225	215
50	Btu/h	26700	24800	23000	21300	19600	18000	16500
	Watts	1400	1600	1770	1920	2060	2190	2340
	Amps	7.82	8.25	8.76	9.32	9.92	10.5	11.1
	Lb/h	304	293	283	272	262	252	242
55	Btu/h	29600	27400	25300	23300	21500	19800	18200
	Watts	1440	1640	1800	1950	2090	2230	2400
	Amps	7.73	8.22	8.79	9.41	10.1	10.7	11.4
	Lb/h	334	323	313	302	292	283	273

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-3.185236E+04	-6.306749E+03	2.159454E+01	-1.562384E+02
C2	1.788586E+03	6.166073E+01	-4.650727E-01	2.025323E+01
C3	5.007604E+02	1.505599E+02	-2.401209E-01	7.287672E-01
C4	-9.097060E+00	1.228361E-01	7.260293E-03	-2.824519E-01
C5	-1.519150E+01	-8.523297E-01	3.226593E-03	-6.218894E-02
C6	-2.037715E+00	-1.000214E+00	1.539841E-03	-1.953095E-03
C7	7.555142E-02	-4.570607E-04	-5.265557E-05	2.037545E-03
C8	4.120644E-03	-3.571432E-03	-1.428574E-05	3.434068E-04
C9	4.789099E-02	5.740344E-03	-2.701892E-06	1.194887E-04
C10	5.986312E-06	1.979165E-03	-3.750028E-06	-1.041711E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature